

Product datasheet for **MG204075**

Napa (NM_025898) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Napa (NM_025898) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Napa
Synonyms:	1500039N14Rik; a-SNAP; AW209189; hyh; RA81; SNAPA; SNARE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204075 representing NM_025898 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACAACCCGGAAGCAGGCTGAGGCTATGGCGTGCTGGCTGAAGCGGAGCGCAAGGTGAAGAACT
CGCAGTCCTTCTTCTCCGGCCTTTGGAGGCTCATCCAAATAGAGGAAGCATGCGAGATCTATGCCAG
AGCGGCGAACATGTTCAAGATGGCCAAGAAGCTGGAGCGCTGCTGGGAACGCTTTCTGCCAGGCTGCCAA
CTGCACCTACAGCTCAAAGCAAGCACGATGCAGCCACCTGCTTTGTGGACGCTGGCAATGCTTTCAAGA
AAGCTGACCCCCAAGAGGCCATTAAGTGTCTGATGAGAGCAATTGAGATCTATACAGACATGGGCAGATT
CACAATCGCAGCCAAGCACCACATCTCCATCGCTGAGATCTATGAGACAGAACTGGTGGATGTAGAGAAG
GCCATCGCCCACTATGAGCAATCTGCAGACTACTACAAAGGAGAAGAGTCCAACAGCTCAGCCAACAAGT
GTCTGCTGAAGGTGGCTGGCTACGCCGCACAGCTGGAGCAGTACCAGAAGGCTATCGACATCTATGAGCA
GGTGGGGACCAAGTGCATGGACAGTCCCCTCCTCAAGTACAGCGCCAAAGACTACTTCTTCAAGGCGGCC
CTCTGCCACTTCTGCATTGACATGCTCAACGCCAAGCTCGCTGTTCAAGTATGAGGAGCTCTTCCCGG
CCTTCTCGGATCCCGGAATGCAAGCTGATGAAAAAGCTGCTGGAAGCCCATGAGGAACAGAATGTGGA
CAGCTACACAGAGGCGGTGAAGGAATATGACTCCATCTCCAGACTGGACCAGTGGCTTACCACCATGCTT
CTGCGCATAAAGAAGACCATTGAGGTGACGAGGAGGACCTGCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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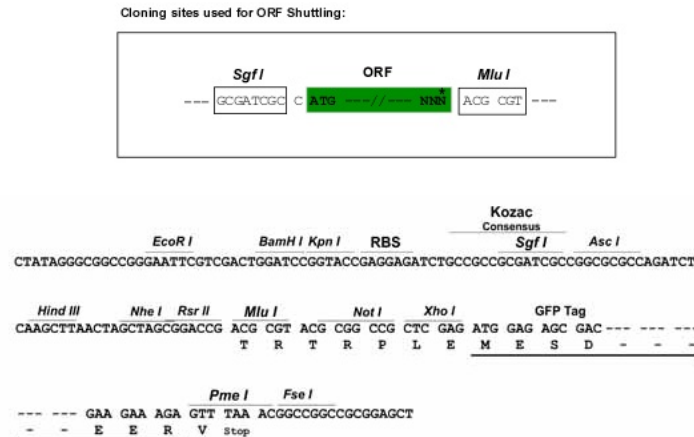
Protein Sequence: >MG204075 representing NM_025898
 Red=Cloning site Green=Tags(s)

MDNSGKQAEAMALLAEAEKRVKNSQSFFSGLFGSSKIEEACEIYARAANMFKMAKNWSAAGNAFCQAAQ
 LHLQLQSKHDAATCFVDAGNAFKKADPQEA INCLMRAIEIYTD MGRFTIAAKHHISIAE IYETELVDVEK
 AIAHYEQSADYYKGEESNSSANKCLLKVAGYAAQLEQYQKAIDIYEQVGT SAMDSPLLKYSADYFFKAA
 LCHFCIDMLNAKLAVQKYEELFPAFSDSRECKLMKKLLEAHEEQNVDSYTEAVKEYDSISRLDQWLT TML
 LRIKKTIQGDEEDLR

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025898

ORF Size: 885 bp

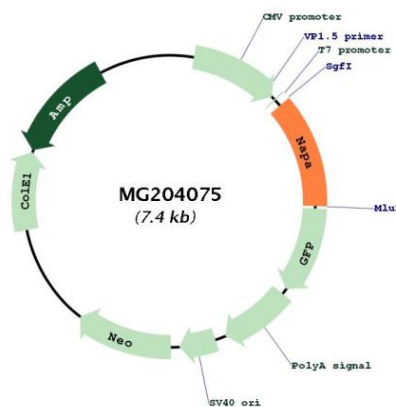
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_025898.1 , NP_080174.1
RefSeq Size:	2334 bp
RefSeq ORF:	888 bp
Locus ID:	108124
UniProt ID:	Q9DB05
Cytogenetics:	7 8.74 cM
Gene Summary:	Required for vesicular transport between the endoplasmic reticulum and the Golgi apparatus. Together with GNA12 promotes CDH5 localization to plasma membrane.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG204075